

Pre TDR Muon Electronics Needs

Plank Mechanical/Electrical

★ Modular Endcaps and RF box

We have the basic plank unit and electronics to read it out. We need to design the endcap to hold it all together. Plan on this being done in June.

Note:

We speed up testing procedures if parts that go on a plank are modular in nature. We are flexible to industry changes: we can make module in parallel. We are flexible in construction sites: institutions can specialize.

- Plank Front Ends - Need to decide

This is a parallel, yet joint, effort at this time between Fermilab and Vanderbilt.

ASDQ “Only” Approach

- ★ 24 Channel card works well in prototype
- ★ Wed it to our plank in June
- ★ Make 32 channel card in July

Fermilab Front End Approach

- ★ Put combiner functions in the front end
- ★ Plan to test in August
- ★ Need price comparison to cable

Either of these approaches can provide sufficient information for the TDR. ETA for the resolution of the issue is the end of the summer.